

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2019 TO 2024**

PROJECT #	WAC0570000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

PROJECT TITLE	116TH AVENUE NE WATERMAIN REPLACEMENT		
PROJECT LOCATION	NE 85th Street to (approximately) NE 100th Street	PROJECT START	PROJECT STATUS
		Undetermined	Modified Project

DESCRIPTION/JUSTIFICATION			
Replacement of approximately 3,930 feet of 8-inch cast iron and 12-inch asbestos concrete watermain with new 16-inch ductile iron pipe on 116th Avenue NE, between NE 85th Street and approximately NE 100th Street. The existing watermain serves a large area and system modeling shows that this watermain is less than 60% of desired fire flow capacity.			

REASON FOR MODIFICATION (WHERE APPLICABLE)	
Total project costs changed from \$2,731,000 to \$2,869,000 based on a one-time escalation of 5% in 2018 to reflect current regional construction inflation.	

POLICY BASIS	METHOD OF FINANCING (%)
Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %
COUNCIL GOALS	
Dependable Infrastructure	

CAPITAL COSTS	COSTS TO BE FUNDED
Planning/Design/Engineering	398,000
In-House Professional Svcs.	167,000
Land Acquisition	0
Construction	2,304,000
Comp. Hardware/Software	0
Equipment	0
Other Services	0
Total	2,869,000
NEW MAINT. AND OPER.	0
NEW FTE	0.00

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CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>Considerable disruption to through (and local) traffic and to pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2014 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
CONFORMANCE WITH ADOPTED COMPRE-HENSIVE PLAN	<p>Name of Neighborhood(s) in which located: <i>Highlands, Norkirk</i></p> <p>Is there a specific reference to this project or land use in the immediate</p> <p>How does the project conform to such references?</p> <p>Attachments <input type="checkbox"/> (Specify)</p>
LEVEL OF SERVICE IMPACT	<p><input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation).</p> <p><input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20%</p> <p><input type="checkbox"/> Project assists in meeting/maintaining adopted level of service.</p> <p><input type="checkbox"/> Project required to meet concurrency standards.</p>